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APPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/707,163	1	1/25/2003	Wei-Chih Lai	10659-US-PA	1162	
31561	7590	03/06/2006		EXAMINER		
•		ELLECTUAL PR	CANNING, ANTHONY J			
7 FLOOR-1 ROOSEVEI		SECTION 2	ART UNIT	PAPER NUMBER		
	100		2879			
TAIWAN	TAIWAN			DATE MAILED: 03/06/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/707,163	LAI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Anthony J. Canning	2879			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE!	l. ely filed the mailing date of this communication, 0 (35 U.S.C. § 133).			
Status					
1) ■ Responsive to communication(s) filed on 20 December 2a) ■ This action is FINAL. 2b) ■ This 3) ■ Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro				
Disposition of Claims					
4) ⊠ Claim(s) <u>1-14</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1-14</u> is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of the c	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:				

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DETAILED ACTION

Acknowledgement of Amendment

1. The amendment to the instant application was entered on 20 December 2006.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamazaki et al. (U.S. 2002/0005696 A1).
- 4. As to claim 1, Yamazaki et al. disclose an organic light-emitting display (OLED), comprising: a plurality of power line sets isolated from each other (see Fig. 5, items V_n, V₁, and V₂; paragraph 0016), wherein each power line set is coupled to a plurality of secondary power lines (see Fig. 5, items V_{b1}-V_{b3}; paragraph 0016); and a plurality of voltage terminals (see Fig. 5, where the secondary power lines connect with the power line that is connected to the external power supply, item 116), wherein each voltage terminal is coupled to a center of a power line set, and the voltage terminals are coupled to a power supply (see Fig. 5, item 116; paragraph 0016, the external switching is a power supply), wherein an electric current resulting from a voltage applied to each power line set passes through the secondary power lines into a plurality of corresponding pixels in the organic light-emitting display (see Fig. 5, item 104; paragraph 0017).

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5. As to claim 2, Yamazaki et al. disclose the OLED of claim 1. Yamazaki et al. further disclose that the pixels are arranged in a pixel array (see Fig. 5, item 104; paragraph 0017).

- 6. As to claim 3, Yamazaki et al. disclose the OLED of claim 1. Yamazaki et al. further disclose that each pixel comprises: a switching transistor (see Fig. 6, item 1701; paragraph 0017) having a first drain terminal (paragraph 0018), a first gate terminal (see Fig. 6, item 1705; paragraph 0018) and a first source terminal (paragraph 0018), wherein the first drain terminal is coupled to a data line and the first gate terminal is coupled to a scan line (paragraph 0018); a driving transistor having a second drain terminal (see Fig. 6, item 1702; paragraph 0017), a second gate terminal and a second source terminal, wherein the second gate terminal is coupled to the first source terminal and the second source terminal is connected to ground (see Fig. 8, item 1923; paragraph 0269); a storage capacitor having a first terminal and a second terminal (see Fig. 6, items, wherein the first terminal is coupled to the first source terminal and the second gate terminal and the second terminal is connected to ground and the second source terminal (see Fig. 5, the lines that 1704 is connected to); and a light-emitting device having an anode and a cathode, wherein the anode is coupled to one of the secondary power lines and the cathode is coupled the second drain terminal paragraph 0020).
- 7. As to claim 4, Yamazaki et al. disclose the OLED of claim 3. Yamazaki et al. further disclose that the switching transistor and the driving transistor comprise thin film transistors (paragraph 0018).
- 8. As to claim 5, Yamazaki et al. disclose the OLED of claim 3. Yamazaki et al. further disclose that the light-emitting device comprises an organic light-emitting-diode-(paragraph-0005).

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9. As to claim 6, Yamazaki et al. disclose the OLED of claim 3. Yamazaki et al. further disclose that the light-emitting device comprises a polymer light-emitting diode (paragraph 0186).

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- 10. As to claim 7, Yamazaki et al. disclose an organic light-emitting display (OLED), comprising: a plurality of power line sets isolated from one another (see Fig. 5, items V_n, V₁, and V₂; paragraph 0016), wherein each power line set is coupled to a plurality of secondary power lines (see Fig. 5, items V_{b1}-V_{b3}; paragraph 0016); and a plurality of voltage terminals (see Fig. 5, where the secondary power lines connect with the power line that is connected to the external power supply, item 116), wherein each voltage terminal is coupled to a power line set, and the voltage terminals are coupled through a conductive material medium to a power supply (see Fig. 5, item 116; paragraph 0016, the external switching is a power supply, if the medium is not conductive then current could not be drawn from the power supply into the device); wherein an electric current resulting from a voltage applied to each power line passes through the secondary power lines into a plurality of corresponding pixels in the organic light-emitting display (paragraph 0219).
- 11. As to claim 8, Yamazaki et al. disclose the OLED of claim 7. Yamazaki et al. further disclose that the pixels are arranged in a pixel array (see Fig. 5, item 104; paragraph 0017).
- 12. As to claim 9, Yamazaki et al. disclose the OLED of claim 7. Yamazaki et al. further disclose that each pixel comprises: a switching transistor (see Fig. 6, item 1701; paragraph 0017) having a first drain terminal (paragraph 0018), a first gate terminal (see Fig. 6, item 1705; paragraph 0018) and a first source terminal (paragraph 0018), wherein the first drain terminal is coupled to a data line and the first gate terminal is coupled to a scan line (paragraph 0018); a

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driving transistor having a second drain terminal (see Fig. 6, item 1702; paragraph 0017), a second gate terminal and a second source terminal, wherein the second gate terminal is coupled to the first source terminal and the second source terminal is connected to ground (see Fig. 8, item 1923; paragraph 0269); a storage capacitor having a first terminal and a second terminal (see Fig. 6, items, wherein the first terminal is coupled to the first source terminal and the second gate terminal and the second terminal is connected to ground and the second source terminal (see Fig. 5, the lines that 1704 is connected to); and a light-emitting device having an anode and a cathode, wherein the anode is coupled to one of the secondary power lines and the cathode is coupled the second drain terminal paragraph 0020).

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- 13. As to claim 10, Yamazaki et al. disclose the OLED of claim 9. Yamazaki et al. further disclose that the switching transistor and the driving transistor comprise thin film transistors (paragraph 0018).
- 14. As to claim 11, Yamazaki et al. disclose the OLED of claim 9. Yamazaki et al. further disclose that the light-emitting device comprises an organic light-emitting diode (paragraph 0005).
- 15. As to claim 12, Yamazaki et al. disclose the OLED of claim 9. Yamazaki et al. further disclose that the light-emitting device comprises a polymer light-emitting diode (paragraph 0186).
- 16. As to claim 13, Yamazaki et al. disclose the OLED of claim 7. Yamazaki et al. further disclose that the conductive material is a medium conductive material interface in external connection (see Fig. 5, item 116; paragraph 0016, the external-switching is a power-supply; if the

medium is not conductive then current could not be drawn from the power supply into the device).

17. As to claim 14, Yamazaki et al. disclose the OLED of claim 7. Yamazaki et al. further disclose that each voltage terminal is coupled to a center of a corresponding one of the power line sets (see Fig. 5, the voltage terminals connect with power line sets Vb1-Vbn, the voltage terminals are connected to the external voltage switch 116).

Response to Arguments

- 18. The examiner acknowledges the amendments to claim 1 and the specification. The examiner further acknowledges the addition of claims 13 and 14.
- 19. The invention as claimed does not differentiate which type of power line sets the voltage terminal is connected to, i.e. low power line sets or driving power line sets. The switch of the electric potential difference does drive the pixels. The voltage terminals of the power line sets connect out to the external switch 116. Center is an arbitrary term that the examiner interprets to mean not the end. The low power lines, Vb1-Vbn, are a portion of the power line sets the other portion are the driving power line sets, V1-Vn. The examiner considers the low power lines the center of the power line sets.
- 20. It is clear from figure 5 in Yamazaki that the terminal through the same series conductive material. The claims do not specify that the conductive material is the *same* material.

Final Rejection

21. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

22. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony J. Canning whose telephone number is (571)-272-2486. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh D. Patel can be reached on (571)-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anthony Canning & 2 March 2006

PRIMARY EXAMINER